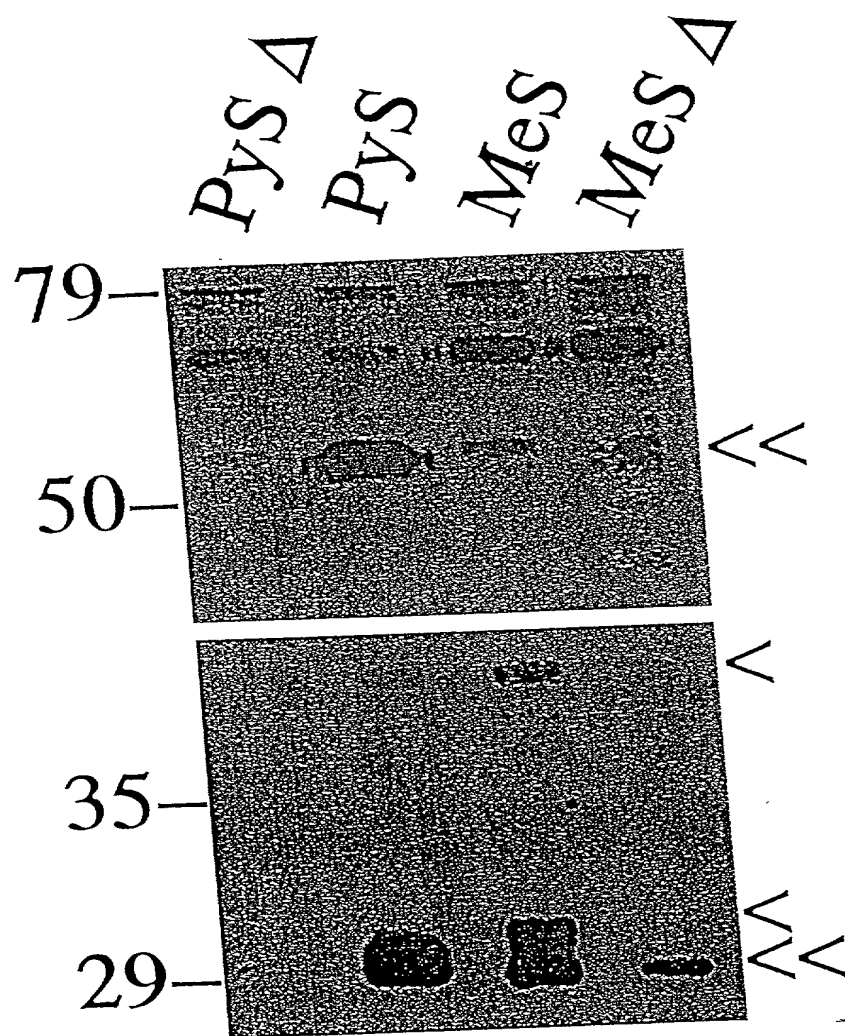


FIGURE 1

FIGURE 2



Non-Directed Tagged Library of Sulfonates Identifies Probe for ADH Superfamily of Enzymes

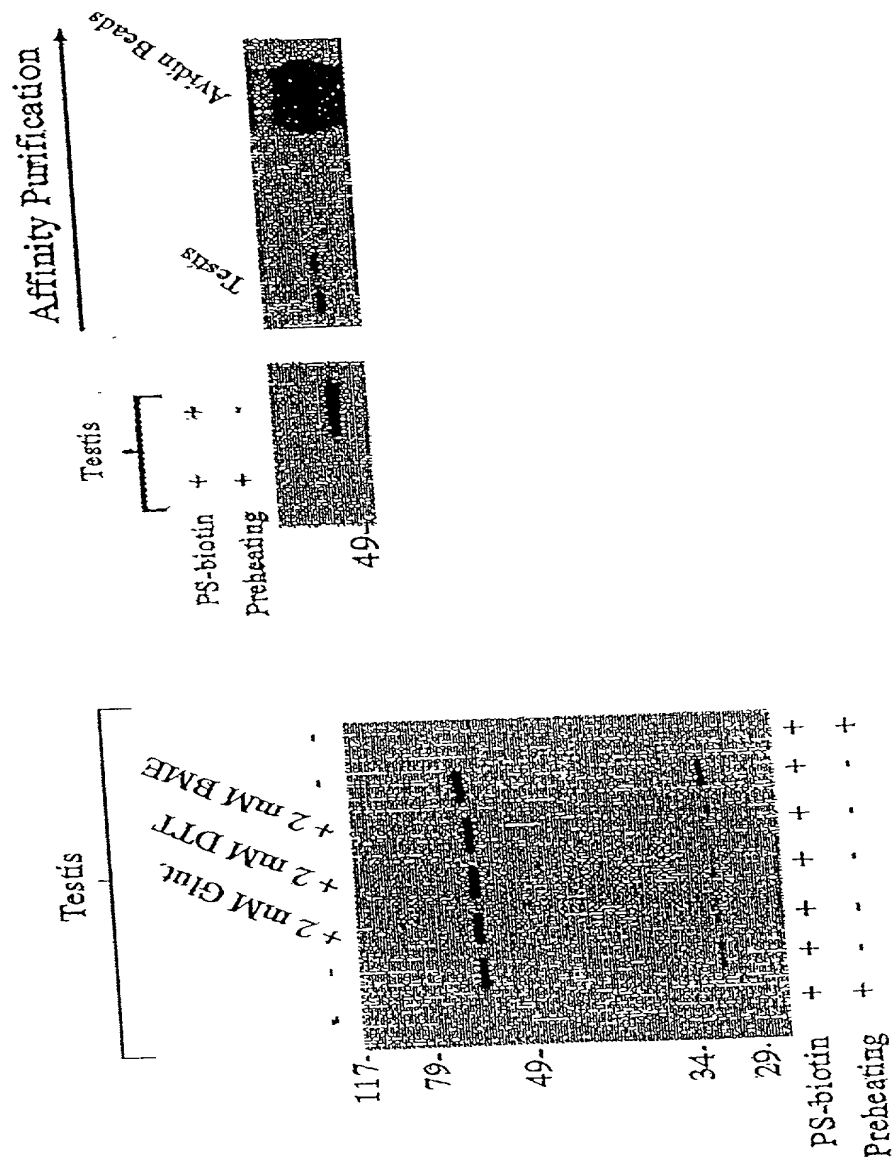
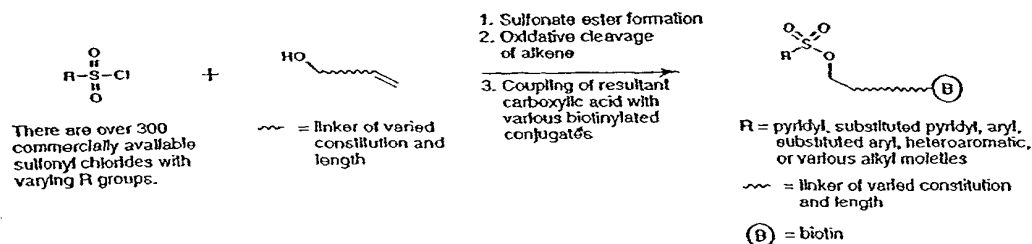
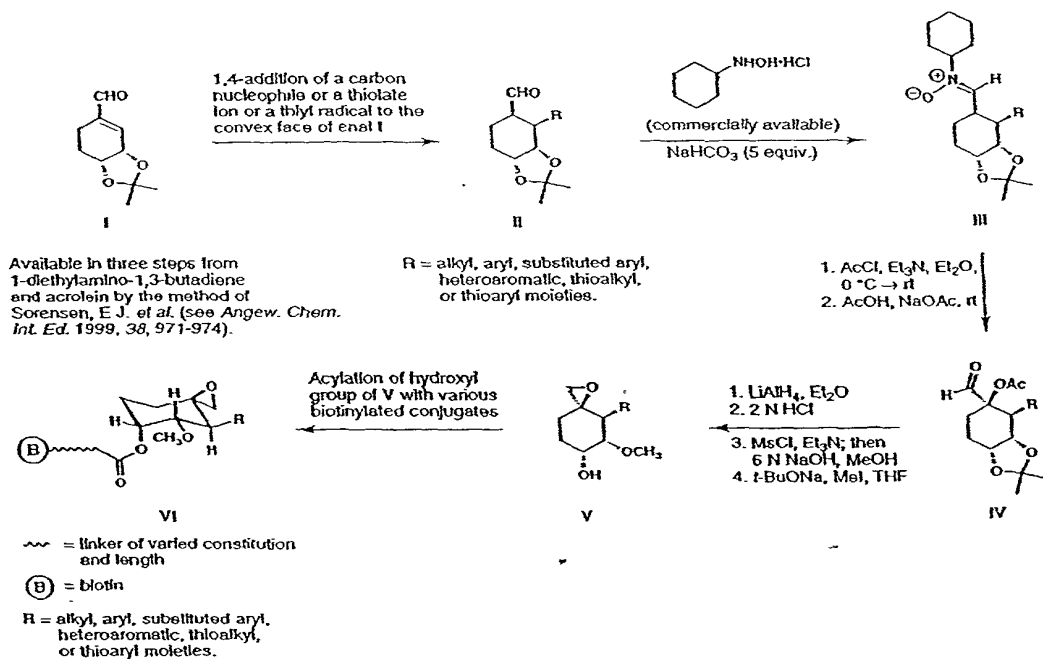


FIGURE 3

FIGURE 4



Scheme 1. A pathway for syntheses of various biotinylated sulfonate esters for use in activity-based proteomics studies.



FP-Biotin: a kinetic reporter of SH Activity

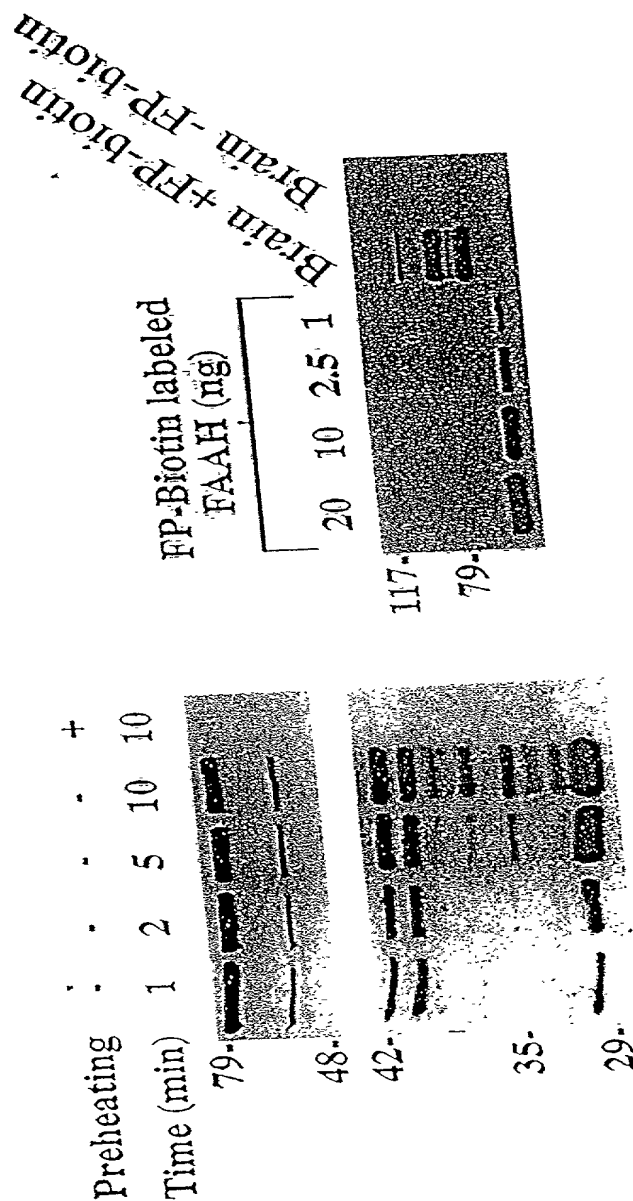


FIGURE 5

Utility of Multiplexed probes in identifying Serine Hydrolases

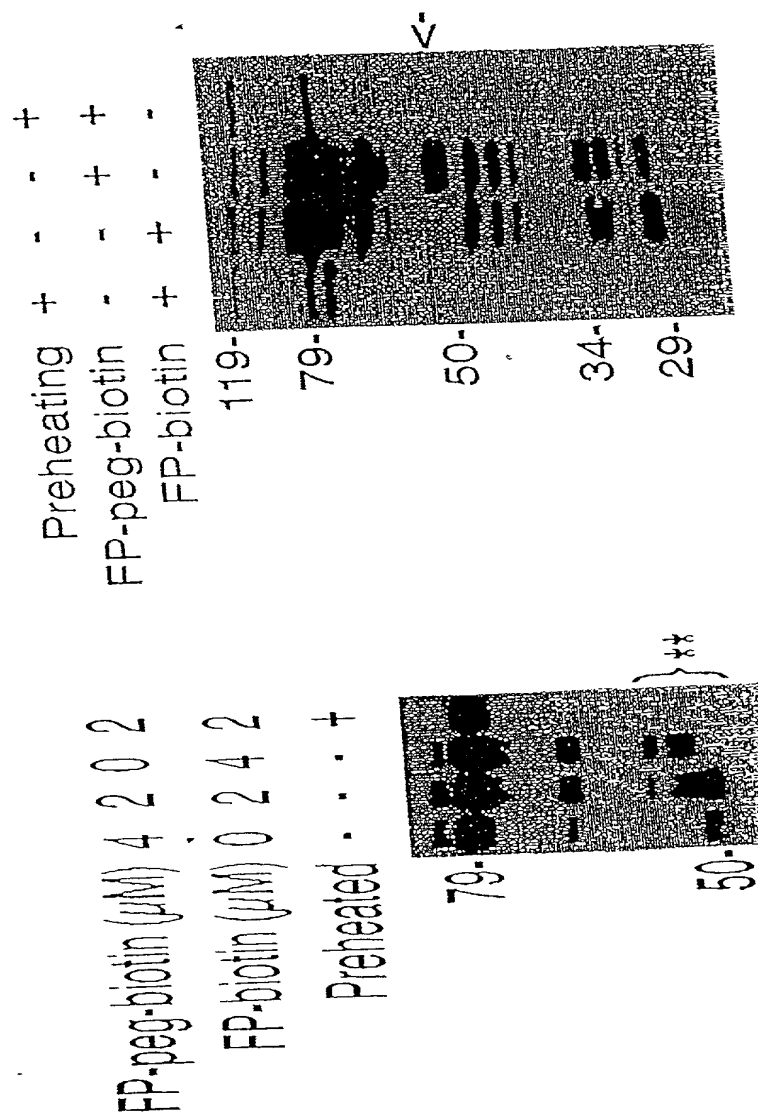


FIGURE 6

FIGURE 7

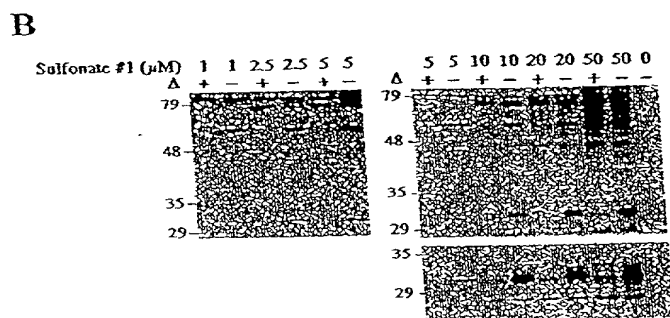
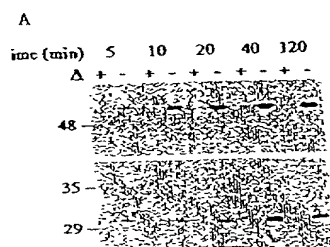
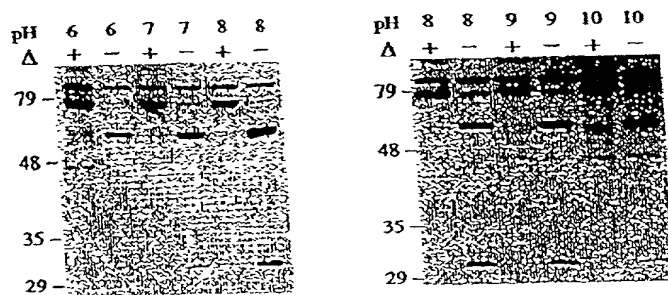


FIGURE 7

C



D

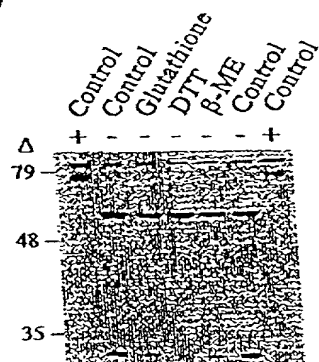


FIGURE 8

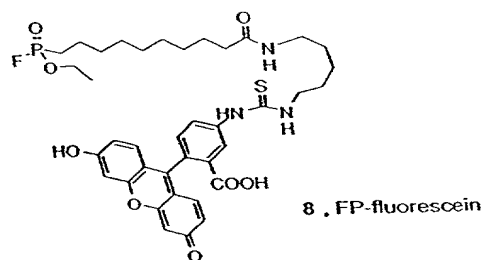
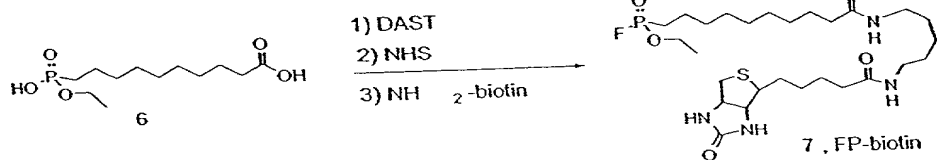
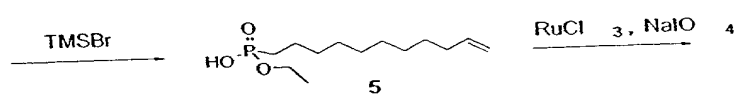
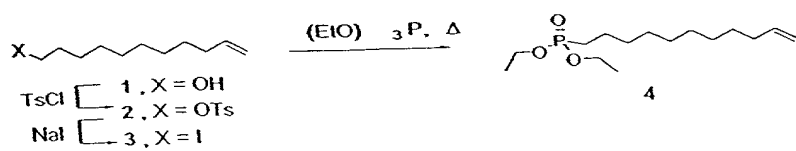


FIGURE 9

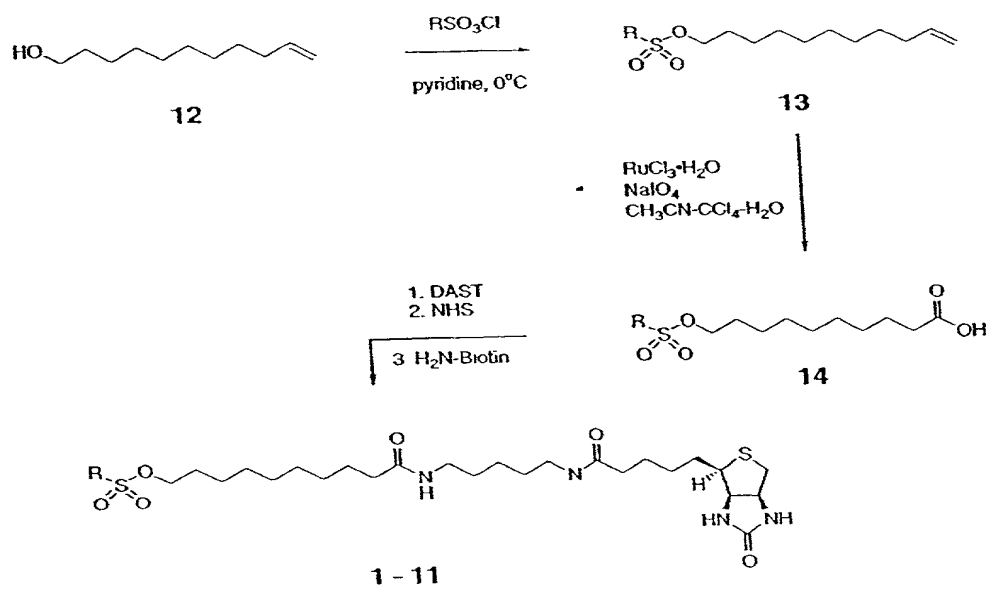
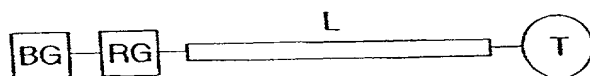
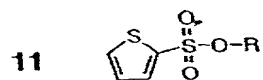
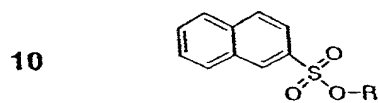
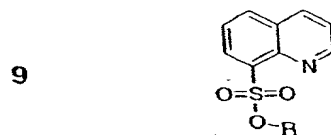
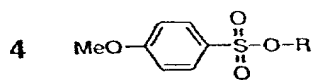
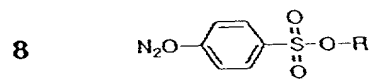
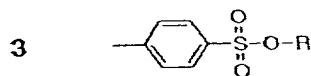
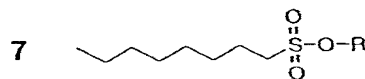
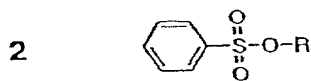
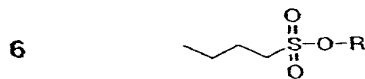
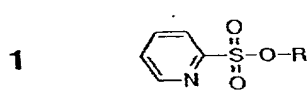
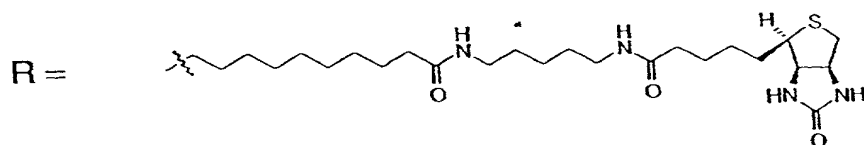


FIGURE 10

A.



B.



[illegible]

Sulfonate #	2	3	1	4	2	3	1	4	5	6	7	5	6	7
Δ	+	+	+	+	-	-	-	-	-	-	-	+	+	+

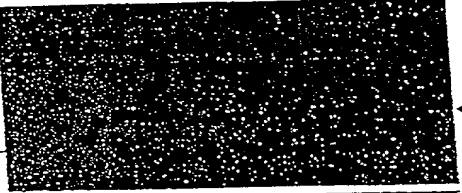

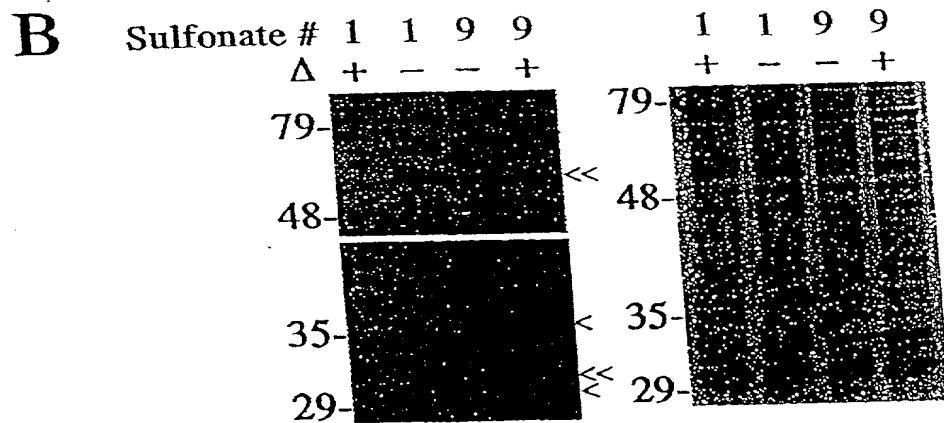
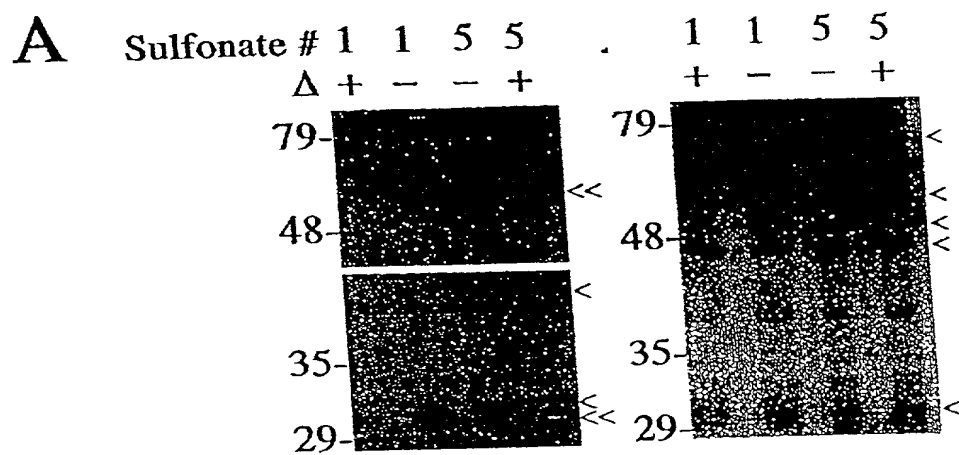
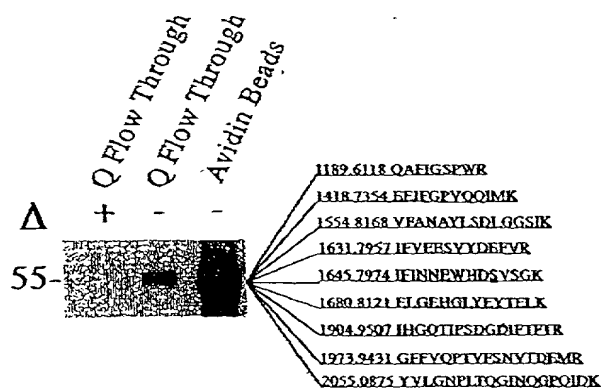
Sulfonate #	8	9	8	9	1	10	11	10	11
Δ	+	+	-	-	-	-	-	+	+
117-									
79-									
48-									
35-									
29-									

FIGURE 12

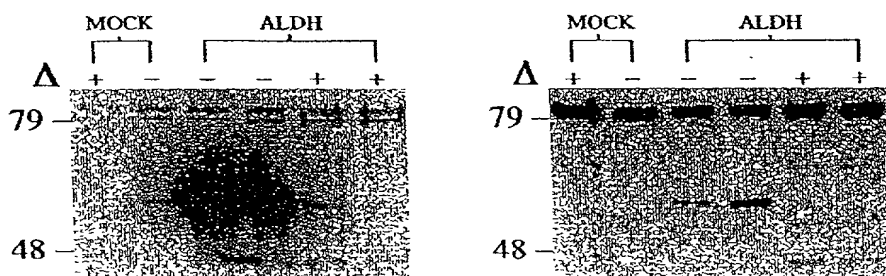


A

FIGURE 13



B



C

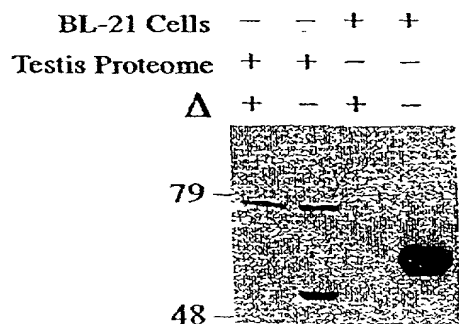
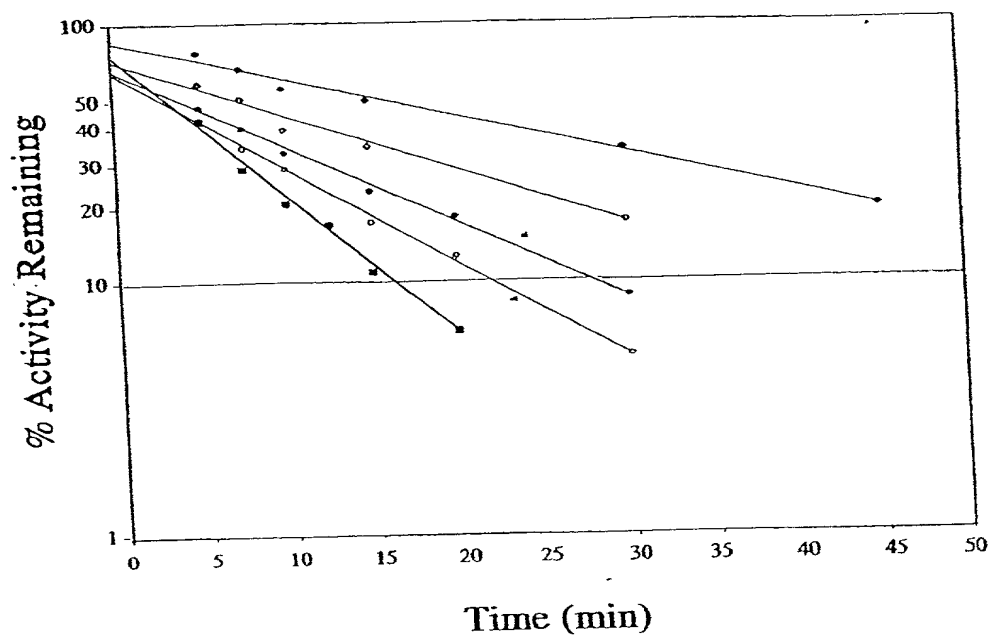


FIGURE 14

A



B

Competitor #	-	-	15	17	16	15	17	16
[Competitor (μ M)]	0	0	5	5	5	50	50	50
Δ	+	-	-	-	-	-	-	-



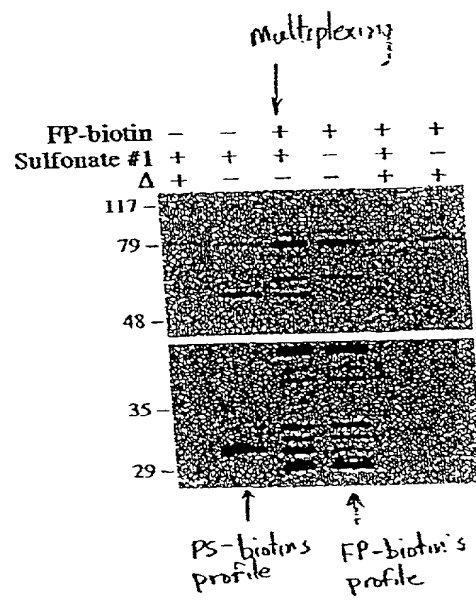
[illegible]

FIGURE 16

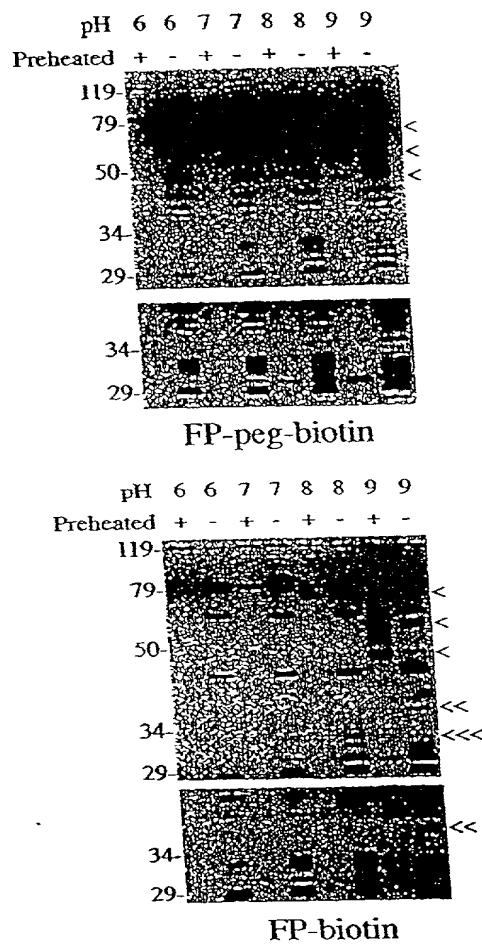


FIGURE 17

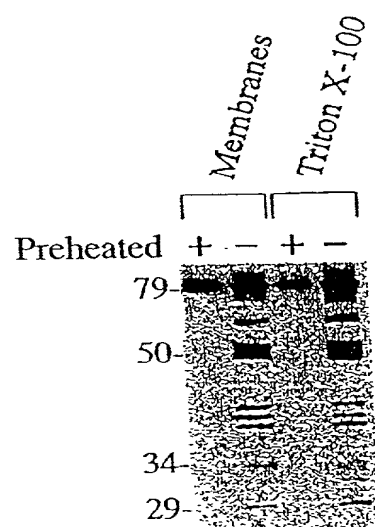


FIGURE 18

FP-peg-biotin	+	+	+	+	+	+	-	-	-
FP-biotin	-	-	-	-	-	-	+	+	+
OTFMK	0	0	200	50	5	1	0	200	50
Δ	+	-	-	-	-	-	-	-	-

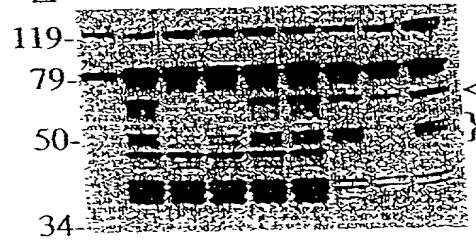


FIGURE 19

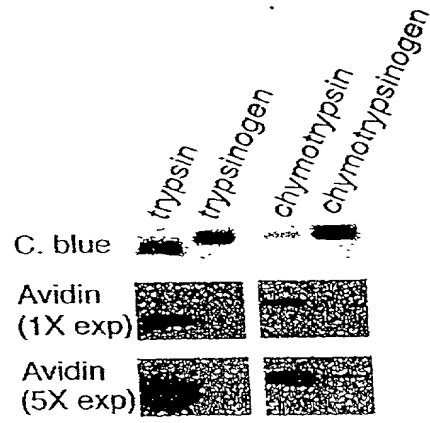
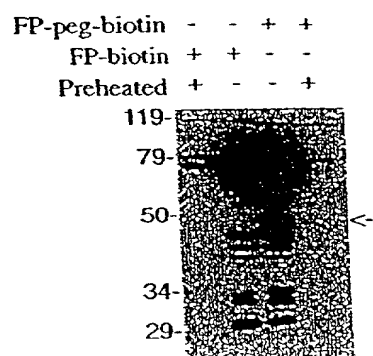
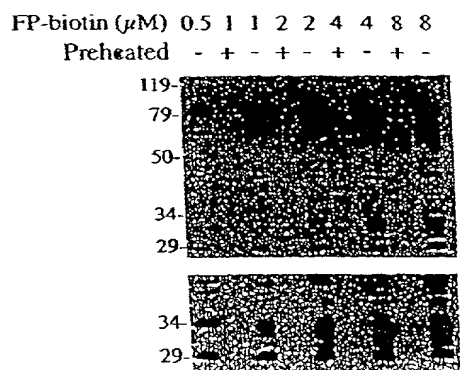


FIGURE 20

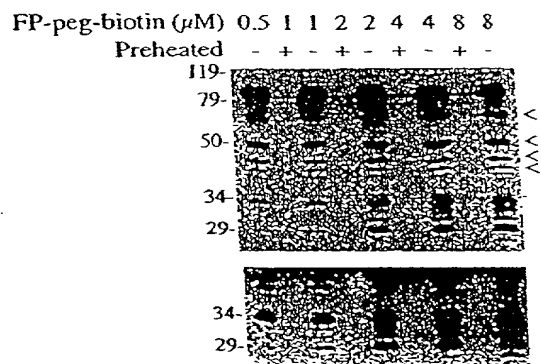
A



B



C



D

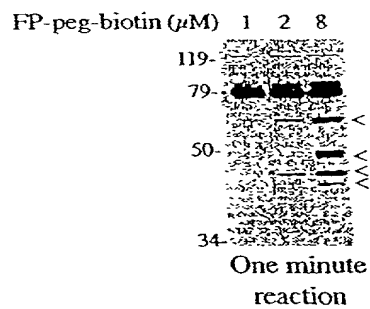


FIGURE 21

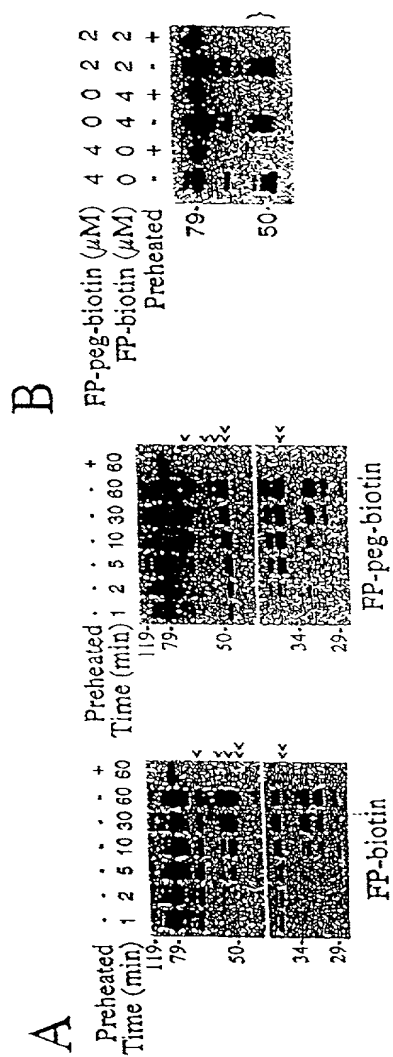


FIGURE 22

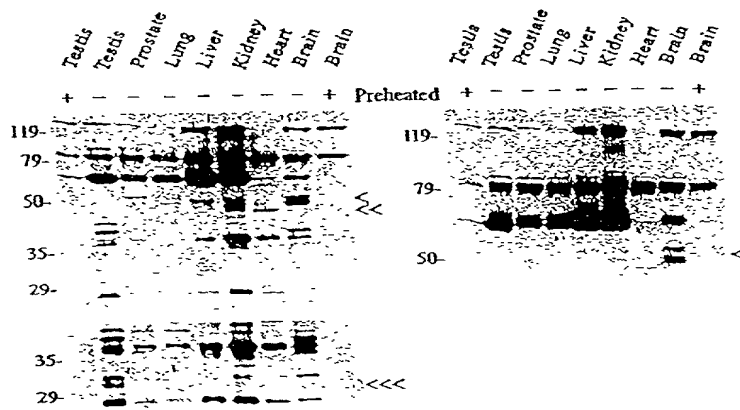


FIGURE 23

